

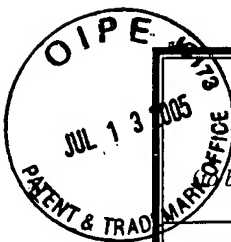
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PTO/SB/21  
OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		<b>Application Number</b>	10/071,435
		<b>Filing Date</b>	02/08/2002
		<b>First Named Inventor</b>	BAUMGARDNER, et al
		<b>Group Art Unit</b>	3737
		<b>Examiner Name</b>	SMITH, Ruth S.
<b>Total Number of Pages in This Submission</b>		<b>Attorney Docket Number</b>	22253-71212 [204650]

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply/ <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) - Figs. <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> Return Postcard.
<b>Remarks:</b>		

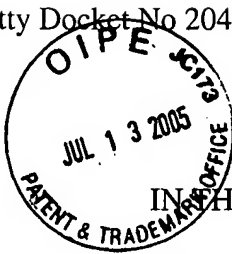
**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

<b>Firm Name</b>	Drinker Biddle & Reath LLP
<b>Signature</b>	<i>Evelyn H. McConathy</i>
<b>Printed Name</b>	Evelyn H. McConathy, Reg. No. 35,279
<b>Date</b>	July 13, 2005

**CERTIFICATE OF EXPRESS MAIL**

I hereby certify that this paper, along with any documents referred to as being enclosed therewith, is being deposited with the United States Postal Service via express mail label EL998810821US addressed to Mail Stop Amendment; Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: **July 13, 2005.**

<b>Typed or printed name</b>	Debra A. Coccia
<b>Signature</b>	<i>Debra A. Coccia</i>
<b>Date:</b>	July 13, 2005



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Patent application of :  
 Baumgardner et al. :  
 : Group Art Unit:  
 Serial No.: 10/071,435 : 3737  
 :  
 Filed: February 8, 2002 : Examiner:  
 : Ruth S. Smith  
 :  
 For: EQUILIBRATION METHOD FOR HIGH :  
 RESOLUTION IMAGING OF LUNG COMPLIANCE :  
 AND DISTRIBUTION OF FUNCTIONAL RESIDUAL :  
 CAPACITY :

**AMENDMENT AND RESPONSE**

Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail (Label No. <b>EL998810821US</b> ) addressed to: Mail Stop Amendment, Director for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on <b>July 13, 2005</b>	
Date of Deposit <b>Debra A. Coccia</b>	
Name	<i>Debra A. Coccia</i>
Signature	Date <b>7/13/05</b>

This paper is filed in response to the Office Action mailed April 13, 2005. Applicants believe that no additional fees are due. However, if any fees are due, the Commissioner is authorized to charge Deposit Account 50-0573.

**Amendments to the Specification** begin at page 2 of this paper.

**Amendments to the Claims** begin at page 4 of this paper

**Remarks / Arguments** begin on page 7 of this paper.